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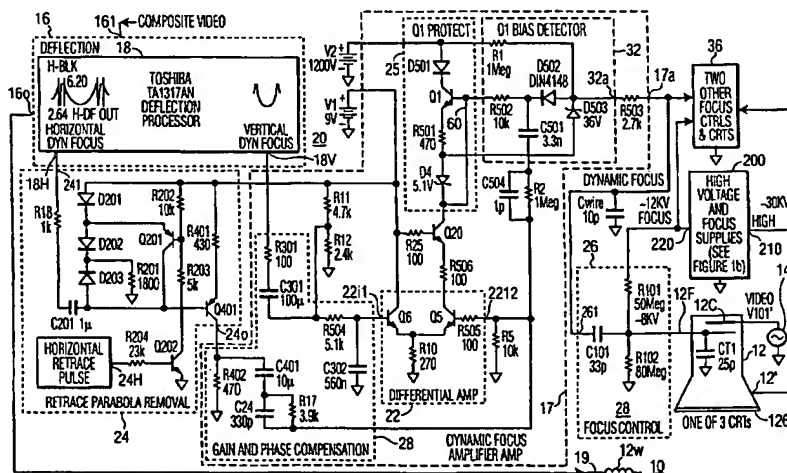
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(54) Title: FOCUS VOLTAGE CONTROL ARRANGEMENT WITH ULTOR VOLTAGE TRACKING



(57) Abstract: A video display apparatus (10) includes a cathode ray tube (12) having an ultor terminal for developing an ultor voltage at the ultor terminal to produce a beam current. The ultor voltage has voltage fluctuations in a presence of changes in the beam. A resistive voltage divider (28) is coupled to a source of a first high voltage and to a focus terminal (220) of the cathode ray tube for producing at the focus terminal (220) a second high voltage including voltage fluctuations. The voltage fluctuations are indicative of the voltage fluctuations of the ultor voltage to provide for focus voltage tracking. An amplifier (22) responsive to a periodic correction signal is capacitively coupled via a capacitor (302) having a value of 33 picofarad to the focus terminal. A dynamic focus voltage that varies, in accordance with a variation of a beam landing location, is produced at the focus terminal (220).

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H01J 29/52, 29/72

US CL : 315/371, 383; 358/168, 169, 243

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 315/371, 383; 358/168, 169, 243

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
none

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
none

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,177,413 A (WILBER) 05 January 1993 (05.01.1993), see entire document.	1-7
Y	US 4,243,918 A (MEISE) 06 January 1981 (06.01.1981), see entire document.	1-7
Y	US 3,825,793 A (DIETZ) 23 July 1974 (23.07.1974), see entire document.	1-7

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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